CLAIM AMENDMENTS:

1. (Currently amended) A method executed by a processor for enabling personalized user context-aware notification in a mobile device, comprising:

gathering a user's physical context information from one or more sources wherein the user's physical context information includes current environment information for the user;

gathering user-specific location information from one or more sources, wherein the user-specific location includes at least a current location of a user;

gathering schedule information from one or more sources, wherein the schedule information includes a current activity of a user;

combining the user's physical context information and the user-specific location and the schedule information to derive user-context information;

combining user defined preferences, if they exist, together with the derived user-context information; and

directing the mobile device to modify its behavior based on the personalized results specific to the user, the personalized results based on from the combining of the derived user context information and the user defined preferences, if they exist.

2. (Previously presented) The method according to Claim 1 wherein the behavior includes one of disabling the mobile device notification, lowering a volume of the mobile device notification, raising the volume of the mobile device notification, entering a silent mode, entering a vibrate-only mode, emitting a beep from the mobile device, causing a display screen on the mobile device to flash and causing a light emitting diode ("LED") on the mobile device to blink.

3. (Canceled).

4. (Previously presented) The method according to Claim 1 wherein gathering the user's physical context information includes gathering at least one of ambient light

information, tactile information, ambient noise information, accelerometer information and orientation information.

5. (Previously presented) The method according to Claim1 wherein gathering user-specific location further includes gathering at least one of a time of day and a date.

6. (Previously presented) The method according to Claim 1 wherein gathering the user's physical context information includes gathering the user context information from at least one of a light sensor, a tactile sensor, an ambient noise microphone, an accelerometer and an orientation sensor.

7. (Previously presented) The method according to Claim 5 wherein gathering schedule information includes gathering information from at least one of a user calendar program and the mobile device.

8. (Canceled)

9. (Previously presented) The method according to Claim 1 wherein the user defined preferences if they exist include at least one of a default set of preferences, a customized set of preferences and a learned set of preferences.

10. (Currently amended) A personalized user context-aware processing apparatus, comprising:

    at least one processing module capable of

        gathering user physical context information wherein the user's physical

            context information includes current environment information for the user,

        gathering user-specific location information from one or more sources

            wherein the user-specific location includes at least a current location of a

            user;

gathering schedule information from one or more sources, wherein the

schedule information includes a current activity of a user;

combining the user's physical context information and the user-specific

location and the schedule information to derive user-context information;

combining user defined preferences, if they exist, together with the derived

user-context information; and

the at least one processing module further capable of directing the mobile

device to modify its behavior based on the <u>personalized</u> results <u>specific to</u>

<u>the user, the personalized results based on</u> ~~from~~ the combining of the

<u>derived</u> user context information and the user defined preferences, if they

exist.

11. (Canceled).

12. (Previously presented) The processing apparatus according to Claim 10
wherein the at least one processing module is further capable of gathering at least one of
light information, tactile information, ambient noise information, accelerometer
information and orientation information.

13. (Previously presented) The processing apparatus according to Claim 10
wherein the at least one processing module is further capable of gathering at least one of
a user calendar information, a user location, a time of day and a date.

14. (Previously presented) The processing apparatus according to Claim 10
further comprising at least one of:

a light sensor;

a tactile sensor;

an ambient noise microphone;

an accelerometer; and

an orientation sensor.

15. (Canceled)

16. (Previously presented) The processing apparatus according to Claim 10 wherein the at least one processing module comprises a preprocessing module and a context processing module.

17. (Currently amended) ~~An article comprising a~~ A machine-accessible medium having stored thereon instructions that, when executed by a machine, cause the machine to enable personalized user context-aware notification on the machine by:

  gathering a user's physical context information from one or more sources wherein the user's physical context information includes current environment information for the user;

  gathering user-specific location information from one or more sources, wherein the user-specific location includes at least a current location of a user;

  gathering schedule information from one or more sources, wherein the schedule information includes a current activity of a user;

  combineing the user's physical context information and the user-specific location and the schedule information to derive user-context information;

  combineing user defined preferences, if they exist, together with the derived user-context information; and

  directing the mobile device to modify its behavior based on the personalized results for the specific user, the personalized results based on of the combining of the derived user context information and the user defined preferences, if they exist.

18. (Currently amended) The ~~article~~ machine-accessible medium according to Claim 17 wherein the instructions, when executed by the machine, further cause the machine to direct the mobile device to perform at least one of disabling the mobile device notification, lowering the volume of the mobile device notification and raising the volume of the mobile device notification.

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19. (Currently amended) The ~~article~~ machine-accessible medium according to Claim 18 wherein the instructions, when executed by the machine, further cause the machine to gather physical context information and other context information.

20. (Currently amended) The ~~article~~ machine-accessible medium according to Claim 19 wherein the instructions, when executed by the machine, further cause the machine to gather at least one of light information, tactile information, ambient noise information, accelerometer information and orientation information.

21. (Currently amended) The ~~article~~ machine-accessible medium according to Claim 19 wherein the instructions, when executed by the machine, additionally cause the machine to gather at least one of a time of day and a date.

22. (Currently amended) The ~~article~~ machine-accessible medium according to Claim 19 wherein the instructions, when executed by the machine, further cause the machine to gather the user's physical context information from at least one of a light sensor, a tactile sensor, an ambient noise microphone, an accelerometer and an orientation sensor.

23. (Currently amended) The ~~article~~ machine-accessible medium according to Claim 19 wherein the instructions, when executed by the machine, further cause the machine to gather the user schedule information from at least one of a user calendar program and the mobile device.

24. (Canceled)